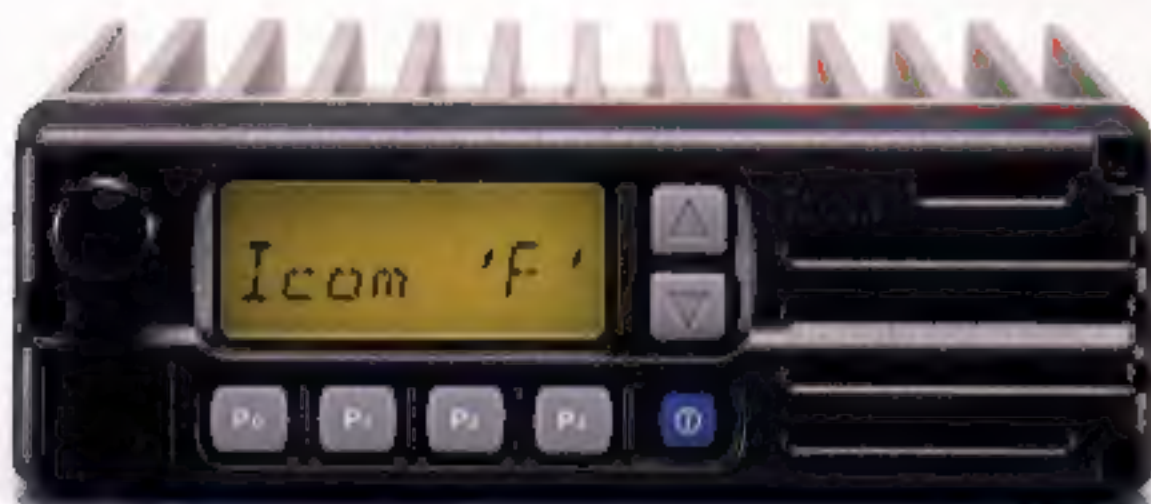


# IC-F1010 IC-F2010



The photo shows actual size.

## ● Rugged construction

The highly dependable diecast aluminum chassis and polycarbonate front panel are resistant to impact.

## ● Multiple signalling systems\*

5-tone encoder/decoder compatible with a wide variety of European signalling requirements including CCIR, ZVE11, ZVE12, DZVE1, EEA, EEA2 and EIA.

\* 5-tone encoder is standard; the optional UT-06 is necessary for 5-tone decode.

## ● Detachable front panel\*

A detachable front panel provides numerous mounting possibilities and is simple to install in almost any vehicle.

\* RMK-1 and DPC-609 are required.

## ● Programmable assign function

A limited number of switches (8) provides easy operation. Moreover, functions can be assigned to switches providing customization to suit specific needs.

## ● Large, alphanumeric display

## ● Advanced programming package for IBM® PC

\* IBM is a registered trademark of International Business Machines.



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## ADDITIONAL FEATURES

- Selectable channel spacing (channel independent)
- 32 channels for 5-tone encoder (standard)
- Emergency call with single or repeat function
- 8 identities + group code for 5-tone decode (optional)
- Selectable digits for 5-tone decoded indication
- Automatic ID transmission linked to PTT
- Standard CTCSS with 51 frequencies (plus 1 programmable)
- Standard DTCSS with selectable polarity
- 7 DTMF autodialling memories
- Up to 8 characters for memory name indication
- Bank separation capability
- 6 scan channel groups
- 2 priority channels
- Automatic scan start and/or receive mute when mic is replaced in the hanger
- Automatic priority channel selection and/or receive mute release when mic is picked up

- Normal scan and priority scan
- Power ON scan start
- Adjustable transmit release period to prevent noise burst at end of transmission when using CTCSS
- Remote monitoring capability (optional UT-96 required)
- Optional passcode input to prevent operation by unauthorized persons
- Programmable minimum level for audio
- Selectable transmit power
- Talk around function (temporary simplex operation on a duplex channel)
- Time-out timer
- Time-out ID transmission
- Penalty timer
- Transmit lockout (channel busy/repeater/reverse repeater)
- 2 selectable 'atom' functions (optional UT-96 required)
- External I/O terminal socket (optional OPC-617 required)

## SPECIFICATIONS

## GENERAL

• Frequency coverage	
IC-F1010	136-155 MHz 146-174 MHz
IC-F2010	400-430 MHz 450-480 MHz 490-520 MHz
• Mode	16K0F3E, 8K30F3E
• No. of channels	32 (standard), 160 (optional)
• Channel spacing	12.5 kHz and 25 kHz
• Power supply requirement	13.2 V DC $\pm 10\%$ (negative ground)
• Current drain (at 13.2 V DC)	
High	7 A (IC-F1010) 8 A (IC-F2010)
Low	3 A (IC-F1010) 4 A (IC-F2010)
Squelched	700 mA
Max. audio output	1.2 A

• Usable temp. range	-25°C to +55°C
• Frequency stability	$\pm 1500$ Hz
• Dimensions (proj. not included)	150(W) x 50(H) x 180(D) mm
• Weight	1.5 kg

## TRANSMITTER

• Output power	High 25 W Low 7.5 W
• Max. frequency deviation	$\pm 2.5$ kHz, $\pm 5.0$ kHz
• Adjacent channel power	60 dB (12.5 kHz) 70 dB (25 kHz)
• Spurious emissions	0.25 $\mu$ W (max.)
• Hum and noise	50 dB typ. (IC-F1010) 45 dB typ. (IC-F2010)

## RECEIVER

• Sensitivity (20 dB S/N)	0.63 $\mu$ V emf (IC-F1010) 0.67 $\mu$ V emf (IC-F2010)
• Squelch sensitivity (at threshold)	0.22 $\mu$ V (IC-F1010) 0.25 $\mu$ V (IC-F2010)
• Adj. channel selectivity	70 dB typ. (12.5 kHz) 75 dB typ. (25 kHz)
• Intermodulation rejection	65 dB
• Spurious response rejection (typical)	80 dB (IC-F1010) 70 dB (IC-F2010)
• Hum and noise (typical)	60 dB (IC-F1010) 45 dB (IC-F2010)
• Audio output power	4 W typ. at 10% distortion with a 4 $\Omega$ load

Measurements made in accordance with ETS-300-046  
All stated specifications are subject to change without notice or obligation.

## OPTIONS

- **EX-1761 MEMORY EXPANSION UNIT**
- **OPC-617 ACC CABLE**  
For external terminal connection
- **BMK-1 SEPARATION KIT + OPC-609 SEPARATION CABLE**  
For front panel detachment installation (1.2 m)

- **SP-3 EXTERNAL SPEAKER**  
Large speaker for good audio quality.  
Input impedance: 4  $\Omega$  Max. input power: 5 W
- **SP-10 EXTERNAL SPEAKER**  
Compact and easy-to-install.  
Input impedance: 4  $\Omega$  Max. input power: 5 W

- **UT-96 5-TONE UNIT**  
Provides the transceiver with 5-tone decoder capabilities
- **UT-105 SmartTrunk II™ Logic Board**  
Provides SmartTrunk II™ capabilities  
SmartTrunk II™ is a trademark of SmartTrunk Systems



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Count on us!

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